



DASH NUMBER		TUBE OD	A	B	D		M ₁	N ₁	Y ₁
BODY	ASSY	NOM	PIPE THREAD NPTF	STRAIGHT THREAD	DIAMETER		±.030	±.030	±.020
					BASIC	TOLERANCE			
B2	A2	1/8	1/8	5/16-24 UNF-2A	.062	±.003	1.000	.660	.562
B3	A3	3/16	1/8	3/8-24 UNF-2A	.125		1.030	.660	.562
B4	A4	1/4	1/8	7/16-20 UNF-2A	.172		1.080	.660	.562
B5	A5	5/16	1/8	1/2-20 UNF-2A	.234		1.080	.660	.562
B6	A6	3/8	1/4	9/16-18 UNF-2A	.297	±.004	1.230	.890	.750
B6	A6	1/2	3/8	3/4-16 UNF-2A	.391		1.420	1.020	.875
B10	A10	5/8	1/2	7/8-14 UNF-2A	.484		1.640	1.230	1.062
B12	A12	3/4	3/4	1-1/16-12 UN-2A	.609		1.890	1.360	1.312
B14	A14	7/8	3/4	1-3/16-12 UN-2A	.714	±.005	1.860	1.420	1.312
B16	A16	1	1	1-5/8-12 UN-2A	.844		2.170	1.620	1.625
B20	A20	1-1/4	1-1/4	1-5/8-12 UN-2A	1.076		2.330	1.700	1.875
B24	A24	1-1/2	1-1/2	1-7/8-12 UN-2A	1.312		2.690	2.080	2.562
B32	A32	2	2	2-1/2-12 UN-2A	1.781	+0.010-.005	3.300	2.390	2.812

NOTES:

- MATERIAL:** Steel, carbon in accordance with procurement specification.
Steel, corrosion-resisting in accordance with procurement specification.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
Zinc plated in accordance with procurement specification.
Phosphate coating in accordance with procurement specification.
Passivation treatment in accordance with procurement specification.
- DIMENSIONS AND TOLERANCES:** Dimensions and tolerances not shown shall be in accordance with the SAE Standard for 37 Degree Flared Fittings (SAE J514).
- THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H28.
- PART NUMBER:** The MS part number consists of the MS number plus the dash number.
 - For body only, cadmium plated, use the MS number, plus the body dash number. Example: MS51513B2.
 - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number; plus the assembly dash number. Example: MS51513A2.
 - For zinc coating add (Z) to the dash number. Example: MS51513B2Z or MS51513A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51513B2P or MS51513A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51513B2S or MS51513A2S.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Reference documents shall be of the issue in effect on date of invitations for bid.
- The illustration is for identification purpose only and is not intended to restrict designs and shapes not dimensioned.
- After 17 January 1979 bodies will be used for production only and **SHALL NOT** be stocked for maintenance. Existing stock of bodies should be used until depleted.

P.A. AR
Other Cont DS

TITLE

TEE, PIPE TO TUBE,
FEMALE PIPE ON BRANCH, 37° FLARED

MILITARY STANDARD

MS51513

PROCUREMENT SPECIFICATION
MIL-F-18866

SUPERSEDES:

SHEET 1 OF 1